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## Amendments to the Claims

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The following listing of claims will replace all prior versions, and listings, of claims in the present application:

- 1-2. (canceled)
- 3-18. (canceled)
- 19. (currently amended) A coated machine tool comprising a multilayer wear resistant coating applied to a base material of said machine tool, said coating comprising a relatively hard underlayer and a chemically inert metal rare earth oxide overlayer, wherein:
- said relatively hard underlayer is formed over said base material of said machine tool and comprises at least two layers;
- one of said layers of said underlayer comprises a metal and is formed over said base material;
- another of said layers of said underlayer comprises a metal nitride, metal carbide, or metal carbo-nitride and is formed over said metal layer;
- said metal oxide overlayer is formed of a metal-oxide over said underlayer; and said metal oxide overlayer is substantially chemically inert with respect to comprises a rare earth oxide overlayer that exhibits positive free energies of reaction with titanium.
- 20. (Canceled)
- 21. (currently amended) A coated machine tool as claimed in claim 19 wherein said metal <u>rare</u> earth exide comprises an oxide of scandium
- 22. (currently amended) A coated machine tool as claimed in claim 19 wherein said metal rare earth exide comprises an exide of lanthanum.

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- 23. (currently amended) A coated machine tool as claimed in claim 19 wherein said metal rare earth oxide comprises an oxide of yttrium.
- 24. (currently amended) A coated machine tool as claimed in claim 19 wherein said metal rare earth exide comprises an oxide of zirconium.
- 25. (currently amended) A coated machine tool as claimed in claim 19 wherein said metal rare earth exide comprises an oxide of hafnium.
- 26. (currently amended) A coated machine tool as claimed in claim 19 wherein said metal rare earth exide comprises an exide of niobium.

Claims 27-45. (Canceled)

46. (Canceled)

47. (previously presented) A coated machine tool as elaimed in claim 46 comprising a multilayer wear resistant coating for application to a base material of said machine tool, said coating comprising a relatively hard underlayer, an yttrium oxide overlayer, and an interlayer between said underlayer and said overlayer, wherein:

said relatively hard underlayer is formed over said base material of said machine tool; said metal oxide overlayer comprises an oxide of a first metal and is formed over said interlayer;

said interlayer comprises first and second components;

said first component of said interlayer comprises said first metal;

relative proportions of said first and second components of said interlayer are graded across said interlayer such that a quantity of said first metal in said interlayer increases from a side of said interlayer adjacent to said underlayer to a side of said interlayer adjacent to said overlayer;

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said metal oxide overlayer comprises an yttrium oxide overlayer exhibits positive free energies of reaction with titanium;

said first component of said interlayer comprises yttrium; and a quantity of said yttrium in said interlayer increases from a side of said interlayer adjacent to said underlayer to a side of said interlayer adjacent to said overlayer.